



c1

where R'5 is H or CH3 and Z2 is COOR7, COOR'1, CONR1R'1 or CONR1R7, R7 being a non-ionic surfactant consisting of an alkyl polyoxyethylene chain, R1 is H or a C1-C30 alkyl, aryl or alkyl-aryl radical, and R'1 is a C9-C30 alkyl, aryl or alkyl-aryl radical.

IN THE CLAIMS:

Please amend Claims 1, 3, 5 and 8 as follows:

1) (twice amended) A cement slurry intended to be set in a wellbore through at least one geologic formation having a certain permeability, characterized in that it comprises cement, at least one mineral filler consisting of silica with grain size ranges between 5 and 200 μm , water and a determined amount of at least one polymer with hydrophilic (Hy) and hydrophobic (Hb) units in aqueous solution, said polymer having the following structure: ---(Hb)---(Hy)--- with a statistical distribution, and:

- Hy has the following form:

c2